

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4944414

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BECTON, DICKINSON AND COMPANY	12/19/2017
RECEIVING PARTY DATA		
Name:	MERIT MEDICAL SYSTEMS, INC.	
Street Address:	1600 WEST MERIT PARKWAY	
City:	SOUTH JORDAN	
State/Country:	UTAH	
Postal Code:	84095	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15816856
CORRESPONDENCE DATA		
Fax Number:	(801)578-6999	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	8015786991	
Email:	eve.stark@stoel.com	
Correspondent Name:	STOEL RIVES	
Address Line 1:	ONE UTAH CENTER	
Address Line 2:	201 SOUTH MAIN STREET, SUITE 1100	
Address Line 4:	SALT LAKE CITY, UTAH 84111	
ATTORNEY DOCKET NUMBER:	37621/92808	
NAME OF SUBMITTER:	MATTHEW S. BETHARDS	
SIGNATURE:	/Matthew S. Bethards/	
DATE SIGNED:	05/03/2018	
Total Attachments: 19		
source=Assignment - Becton Dickinson to Merit Medical#page1.tif		
source=Assignment - Becton Dickinson to Merit Medical#page2.tif		
source=Assignment - Becton Dickinson to Merit Medical#page3.tif		
source=Assignment - Becton Dickinson to Merit Medical#page4.tif		
source=Assignment - Becton Dickinson to Merit Medical#page5.tif		

source=Assignment - Becton Dickinson to Merit Medical#page6.tif
source=Assignment - Becton Dickinson to Merit Medical#page7.tif
source=Assignment - Becton Dickinson to Merit Medical#page8.tif
source=Assignment - Becton Dickinson to Merit Medical#page9.tif
source=Assignment - Becton Dickinson to Merit Medical#page10.tif
source=Assignment - Becton Dickinson to Merit Medical#page11.tif
source=Assignment - Becton Dickinson to Merit Medical#page12.tif
source=Assignment - Becton Dickinson to Merit Medical#page13.tif
source=Assignment - Becton Dickinson to Merit Medical#page14.tif
source=Assignment - Becton Dickinson to Merit Medical#page15.tif
source=Assignment - Becton Dickinson to Merit Medical#page16.tif
source=Assignment - Becton Dickinson to Merit Medical#page17.tif
source=Assignment - Becton Dickinson to Merit Medical#page18.tif
source=Assignment - Becton Dickinson to Merit Medical#page19.tif

ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS (this "Assignment"), dated February 14, 2018, is entered into by Becton, Dickinson and Company ("Assignor") and Merit Medical Systems, Inc. ("Assignee").

RECITALS:

WHEREAS, Assignor is the owner of those certain patents and patent applications listed on Schedule A attached hereto and made a part hereof (the "Patents");

WHEREAS, pursuant to the Asset Purchase Agreement dated as of November 15, 2017, by and between Assignor and Assignee (the "Asset Purchase Agreement"), Assignor desires to sell, transfer, convey, assign and deliver to Assignee, and Assignee desires to acquire, all of Assignor's right, title and interest in, to and under the Patents.

NOW, THEREFORE, for good and valuable consideration provided in connection with the sale and purchase of assets pursuant to the Asset Purchase Agreement, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby conveys, assigns, transfers and delivers to Assignee, its successors and assigns, its entire right, title and interest throughout the world in, to and under the Patents, along with (a) all rights to sue or recover and retain past, present, and future damages, costs, and attorneys' fees for past, present, and future infringement, misappropriation or other violation thereof (including, without limitation, all income, royalties, damages, and payments hereafter due or payable to Assignor with respect to any Patent); (b) all United States and foreign patents and utility models and applications therefor, including all priority rights provided by any and all treaties, conventions, or agreements; (c) all reissues, divisions, re-examinations, revisions, renewals, extensions, provisionals, continuations and continuations-in-part thereof; and (d) equivalent or similar rights anywhere in the world in inventions and discoveries, including invention disclosures, disclosed or claimed therein.

Section 1. Assignor hereby authorizes and requests the Commissioner for Patents (and, with respect to any equivalent foreign rights, any other appropriate foreign or international office or registrar) to record Assignee as the sole owner of the Patents and to issue any and all Patents to Assignee, as assignee of the entire right, title and interest in, to and under the same, for the sole use and enjoyment of Assignee, its successors, assigns, or other legal representatives.

Section 2. Assignor agrees to take, at Assignee's expense for reasonable out-of-pocket costs, such further action, execute such additional documents, provide testimony, and, in general, provide all lawful cooperation reasonably requested by Assignee to perfect Assignee's title in, to and under the Patents and to carry out and fulfill the purposes and intent of this Assignment of Patents.

Section 3. The rights and obligations of Assignor and Assignee shall be governed by, and this Assignment shall be interpreted, construed and enforced in accordance with, the laws of the State of Delaware, excluding its conflict of laws rules to the extent such rules would apply the law of another jurisdiction.

Section 4. This Assignment may be signed in any number of counterparts, including

facsimile copies thereof or electronic scan copies thereof delivered by electronic mail, each of which shall be deemed an original, with the same effect as if the signatures thereto and hereto were upon the same instrument.

Section 5. The parties hereto acknowledge and agree that nothing in this Assignment shall be deemed to supersede, enlarge, modify or waive any of the provisions of the Agreement, all of which shall survive the execution and delivery of this Assignment as provided in, and subject to the limitations set forth in, the Agreement. If any conflict exists between the terms of this Assignment and the terms of the Agreement, the terms of the Agreement shall govern and control.

[Signature Page Follows]

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed by a duly authorized officer as of the date first written above.

BECTON, DICKINSON AND COMPANY

By: *Gary M. DeFazio*
Name: Gary M. DeFazio
Title: Senior Vice President, Corporate
Secretary and Associate General Counsel

STATE OF *NJ*)
)ss.
COUNTY OF *Bergen*)

On December 19, 2017, before me, the undersigned, a Notary Public in and for such State, personally appeared Gary M. DeFazio, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as Senior Vice President, Corporate Secretary and Associate General Counsel of Becton, Dickinson and Company, and acknowledged to me that such corporation executed the within instrument pursuant to its bylaws or a resolutions of its Board of Directors.

WITNESS my hand and official seal.

By: *Kathleen Monesteri*
Notary Public
My Commission expires on: KATHLEEN MONESTERI
NOTARY PUBLIC OF NEW JERSEY
Comm. # 2419005
My Commission Expires 3/26/2022

[Signature Page to Patent Assignment]

PATENT
REEL: 045704 FRAME: 0595

IN WITNESS WHEREOF, the Assignee has caused this Assignment to be executed each by a duly authorized officer as of the date first written above.

MERIT MEDICAL SYSTEMS, INC.

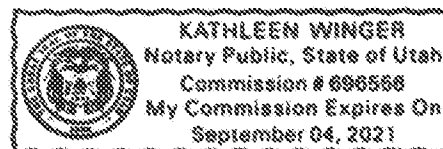
By: [Signature]
Name: Fred Lampropoulos
Title: Chairman and CEO

STATE OF Utah)
)ss.
COUNTY OF Salt Lake)

On February 9, 2018, before me, the undersigned, a Notary Public in and for such State, personally appeared Fred Lampropoulos personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as CEO (title) of Merit Medical Systems, Inc., and acknowledged to me that such corporation executed the within instrument pursuant to its bylaws or a resolution of its Board of Directors.

WITNESS my hand and official seal.

By: Kathleen Winger
Notary Public
My Commission expires on: Sept. 4, 2021



SCHEDULE A

Patents

1. See the following pages.

CORFU
Patents

FILE # OC Matter no.	TITLE	INVENTORS	MATTE R TYPE	COUN TRY	STATU S	APP. #	Filing Date	FIP ID	PATENT # Publicatio n No.	Grant Date	Expiry Date	Due Date
141-PDD- 07-32 PROV 101672.00 78PRO	Pleural Effusion Drainag e Kits and Method s for Packagi ng the Same	Noyce, Jodie L.; Wretberg, Rick	Prov - ORG	United States of Americ a	Expire d	60/955, 284	10- Aug-07	3739 50	n/a	-	10- Aug- 08	n/a
141-PDD- 07-32 PROV2 101672.00 78PRO2	Pleural Effusion Drainag e Kits and Method s for Packagi ng the Same	Noyce, Jodie L.; Wretberg, Rick	Prov - ORG	United States of Americ a	Expire d	60/968, 465	28- Aug-07	5870 54	n/a	-	28- Aug- 08	n/a

PATENT

FILE # OC Matter no.	TITLE	INVENTORS	MATTE R TYPE	COUN TRY	STATU S	APP. #	Filing Date	FTP ID	PATENT # Publicatio n No.	Grant Date	Expiry Date	Due Date
141-PDD-07-32	Effusion Drainage Kits and Methods for Packaging the Same	Noyce, Jodie L.; Wretberg, Rick	Utility - ORG	United States of America	Abandoned	12/188,955	8-Aug-08	534501	US2009/043270	-	-	n/a
141-PDD-05-42-PROV	Catheter Connection Systems	Christensen, Mark A.	Provisio nal	United States of America	Expired	60/720,443	26-Sep-05	294733	n/a	-	26-Sep-06	n/a
141-PDD-04-01 US 101672.00 45P	Corporal Drainage System	Christensen, Mark A.; Smith, Steven; Beasley, Jim C.; Powers, Kelly	Utility - ORG	United States of America	Issued	11/248,082	12-Oct-05	294894	US8337475	25-Dec-12	29-May-27	25-Jun-20 Mainten ance
141-PDD-04-01 DIV 101672.0 045P2	Corporal Drainage System	Christensen, Mark A.; Smith, Steven; Beasley, Jim C.; Powers, Kelly	Utility - DIV	United States of America	Issued	13/688,000	28-Nov-12	1402678	US8814839	26-Aug-14	12-Oct-25	26-Feb-18 Mainten ance
141-PDD-04-01 US DIV2 101672.0 045P3	Corporal Drainage System	Christensen, Mark A.; Smith, Steven; Beasley, Jim C.; Powers, Kelly	Utility - DIV	United States of America	Issued	14/464,503	20-Aug-14	1640505	US9295764	29-Mar-16	12-Oct-25	29-Sep-17 Mainten ance

PATENT

FILE # OC Matter no.	TITLE	INVENTORS	MATTE R TYPE	COLU N TRY	STATU S	APP. #	Filing Date	FTP ID	PATENT # Publicatio n No.	Grant Date	Expiry Date	Due Date
141- PDD-04- 01 US DIV3 101672.0 045P4	Corpore al Drainag e System	Christensen, Mark A.; Smith, Steven; Beasley, Jim C.; Powers, Kelly	Utility - DIV	United States of Americ a	Pendin g	15/081, 783	25- Mar-16	2005 699	US2016/0 206791	-	-	None
141- PDD-05- 42 CON 2	Catheter Connect ion Systems	Christensen, Mark A.; Barron, William R.	Utility - CON	United States of Americ a	Aband oned	13/469, 849	11- May- 12	1263 764	US2012/2 20984	-	-	n/a
141- PDD-05- 42 DIV	Catheter Connect ion Systems	Christensen, Mark A.; Barron, William R.	Utility - CON	United States of Americ a	Aband oned	12/879, 673	10- Sep-10	8670 81	US823597 1	7- Aug- 12	-	n/a
141-PDD- 05-42 US	Catheter Connect ion Systems	Christensen, Mark A.; Barron, William R.	Utility - ORG	United States of Americ a	Aband oned	11/535, 245	26- Sep-06	2813 67	US817777 2	15- May- 12	-	n/a

PATENT

**Patent Licensed under the Exclusive License Agreement of October 2, 2006 with
The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.**

FILE # OC Matte r No.	TITLE	INVENTOR S	MATTE RTYPE	COUNTR Y	STATUS	APP. #	Filing g Date	FTP ID	PATENT # Publication No.	Gran t Date	Expir y Date	Due Date
	Portable Hand Pump for Evacuatio n of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - DIV	United States of America	Issued	14/162,654	23- Jan- 14	155477 6	US9393353	19- July- 16	11- Jun- 25	29-Dec-19 Maintenance e
	Portable Hand Pump for Evacuatio n of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - DIV	United States of America	Pending	15/210,787	14- Jul- 16	205172 9	US2016/031772 4	-	-	9-Sep-17 Response to NFOA
	Portable Hand Pump for Evacuatio n of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - NSPCT	United States of America	Issued	10/595,450	21- Jun- 07	307682	US8636721	28- Jan- 14	17- May- 27	28-Jul-17 Maintenance e
141- PDF- 06-70 AU	Portable Hand Pump for Evacuatio n of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - NSPCT	Australia	Granted	AU 2004293815	-	-	AU2004293815	-	22- Nov- 24	22-Nov-17 Maintenance e
141- PDF- 06-70 CA	Portable Hand Pump for Evacuatio n of	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - NSPCT	Canada	Issued	CA 2546434	22- Nov- 04	307679	CA2546434	-	22- Nov- 24	22-Nov-17 Maintenance e

PATENT

	Fluids											
	Portable Hand Pump for PDF-Evacuation of Fluids											
141-PDF-06-70 DE	Portable Hand Pump for PDF-Evacuation of Fluids	-	Utility - EPPAT	Germany	Issued	481162710	22-Nov-04	1893518	DE60 2004 047 676.5.	-	22-Nov-24	-
141-PDF-06-70 EP	Portable Hand Pump for PDF-Evacuation of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - NSPCT	European Patent Office	Issued	EP 04811627.1	22-Nov-04	307680	EP1684824	-	22-Nov-24	n/a
141-PDF-06-70 FR	Portable Hand Pump for PDF-Evacuation of Fluids	-	Utility – EPPAT	France	Issued	481162710	22-Nov-04	1893517	FR1684824	-	22-Nov-24	-
141-PDF-06-70 GB	Portable Hand Pump for PDF-Evacuation of Fluids	-	Utility - EPPAT	United Kingdom	Issued	481162710	22-Nov-04	1893520	GB1684824	-	22-Nov-24	-
141-PDF-06-70 IL	Portable Hand Pump for PDF-Evacuation of Fluids	Alam, Hasan B.; Rhee, Emily; Rhee, Peter	Utility - NSPCT	Israel	Granted	IL 175132	-	-	IL175132	-	22-Nov-24	-

141- PDF- 06-70 IT	Portable Hand Pump for Evacuatio n of Fluids	-	Utility - EPPAT	Italy	Issued	481162710	22- Nov- 04	189351 9	IT1684824	-	22- Nov- 24	-
141- PDF- 06-70 JP	Portable Hand Pump for Evacuatio n of Fluids	-	Utility - NSPCT	Japan	Abandone d	JP 2006-541538	18- May -06	307681	2007-512102	-	-	n/a
141- PDF- 06-70 WO	Portable Hand Pump for Evacuatio n of Fluids	-	Utility - ORG	PCT	Lapsed	PCT/US2004/0389 37	22- Nov- 04	307675	WO2005/05236 6	-	-	n/a

PATENT

REEL: 045704 FRAME: 0603

RHODES PATENTS

Patents (other than Sontina Patents)

App Title	Country/Jurisdiction	App No.	Patent No.	Filed Date	Status
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	Canada	2346491	2346491	1999-10-01	Granted
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	European Patent	99951685.9	1119295	1999-10-01	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	European Patent	03721472.3	1492456	2003-03-27	Granted
Reduced Profile Biopsy Device	European Patent	11810091.6		2011-06-27	Application
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	France	99951685.9	1119295	1999-10-01	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	France	03721472.3	1492456	2003-03-27	Granted
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	Germany (Federal Republic of)	99951685.9	69942066.0	1999-10-01	Granted

PATENT

REEL: 045704 FRAME: 0604

App Title	Country/Jurisdiction	App No.	Patent No.	Filed Date	Status
Improved Biopsy Needle And Biopsy Device Containing The Same	Germany (Federal Republic of)	03721472.3	60342426.0	2003-03-27	Granted
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	Italy	99951685.9	1119295	1999-10-01	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	Italy	03721472.3	1492456	2003-03-27	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	Netherlands	03721472.3	1492456	2003-03-27	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	Spain	03721472.3	1492456	2003-03-27	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	Switzerland	03721472.3	1492456	2003-03-27	Granted
An Improved Substance Delivery Device For Use With A Procedure Performing Instrument	United Kingdom	99951685.9	1119295	1999-10-01	Granted
Improved Biopsy Needle And Biopsy Device Containing The Same	United Kingdom	03721472.3	1492456	2003-03-27	Granted
Biopsy Surgical Appliance	United States of America	09/044811	6120463	1998-03-20	Granted

App Title	Country/Jurisdiction	App No.	Patent No.	Filed Date	Status
Biopsy Needle	United States of America	09/069782	6093154	1998-04-29	Granted
Substance Delivery Device For Use With A Procedure Performing Instrument	United States of America	09/167478	6280399	1998-10-06	Granted
Biopsy needle and biopsy device containing the same	United States of America	10/400611	7018343	2003-03-27	Granted
Reduced Profile Biopsy Device	United States of America	12/827660	8343070	2010-06-30	Granted
Reduced Profile Biopsy Device	United States of America	13/690730	9220484	2012-11-30	Granted
Methods and Apparatuses for Reducing the Sound Profile of Biopsy Devices	United States of America	15/244872		2016-08-23	Application
Methods and Apparatuses for Reducing the Sound Profile of Biopsy Devices	United States of America	US2017/047387		2017-08-17	Application

Sontina Patents

Country/ Jurisdiction	App. No./ Filing Date	Title	Inventor(s)
US	13/452863 Filed 4/21/2012	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor

Country/ Jurisdiction	App. No./ Filing Date	Title	Inventor(s)
	U.S. Patent No. 8317727 Issued 11/27/2012		
US	13/653395 Filed 10/16/2012 U.S. Patent No. 9271700 Issued 3/1/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
US	14/517873 Filed 10/19/2014 U.S. Patent No. 9204867 Issued 12/8/2015	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
US	15/004911 Filed 1/23/2016 U.S. Patent Publ. No. 2016/0174949 Pub. Date 6/23/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
US	14/930928 Filed 11/3/2015 U.S. Patent Publ. No. 2016/0051237 Pub. Date 2/25/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
US	15/673076 Filed 8/9/2017	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
PCT	PCT/US2016/ 035138 Filed 6/1/2016 PCT Publ. No. WO2016196536 Pub. Date 12/8/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor

Country/ Jurisdiction	App. No./ Filing Date	Title	Inventor(s)
AU	AU 2011329870 Filed 11/16/2011 AU Publ. No. 2011-329870 Publ. Date 5/2/2013	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
CA	CA 2818342 Filed 11/16/2011 CA Publ. No. 2818342 Publ. Date 5/24/2012	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
JP	JP 20130539991 Filed 11/16/2011 JP Publ. No. 2014-512846 Publ. Date 5/29/2014	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
JP	JP 2016157481 Filed 1/26/2016 JP Publ. No.[•] Publ. Date [•]	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
JP	JP 2016538993 Filed [•] JP Publ. No. 2016-533834 Publ. Date 11/4/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
EP	EP 11841700.5 Filed 11/16/2011 EP Publ. No. 2640287 Publ. Date 9/25/2013	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor
EP	EP 14841120.0 Filed 8/24/2014 EP Publ. No. 3038548	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor

Country/ Jurisdiction	App. No./ Filing Date	Title	Inventor(s)
	Publ. Date 7/6/2016		
CN	CN 201480046937.0 Filed 8/24/2014 CN Publ. No. 105491969 Publ. Date 4/13/2016	TISSUE REMOVAL DEVICE AND METHOD OF USE	PELIKS, Robert Bilgor

Bling/Echo Patents

App Title	Country	App No.	Patent No.	Filed Date	Status
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	United States of America	14286484		5/23/2014	Published
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	Canada	2949832		5/21/2015	Application
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	Australia	2015264071		5/21/2015	Application

App Title	Country	App No.	Patent No.	Filed Date	Status
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	Brazil	1120160274245		5/21/2015	Published
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	European Patent	157962986		5/21/2015	Published
Marker Element, Device For Making A Marker Element, And Method For Making A Marker Element	China	2015800263885		5/21/2015	Application

Bling/Echo Invention Disclosure Records

Invention ID	Invention Reference	Technology	Invention Title	Status	Business Unit	Received Date	Inventor(s)
81573822	P-15718	Radiology	Tissue Marker for Soft Tissue Biopsy Site Visualization and Relocation on Ultrasound, Mammography, and MRI	To Be Filed	BIOPSY	2017-08-16	Heather Storm John Krueger Erin Schaus Erin Powers

Invention ID	Invention Reference	Technology	Invention Title	Status	Business Unit	Received Date	Inventor(s)
81574491	P-15719	Instrument Radiology	Delivery Device for Biopsy Site Tissue Marker	To Be Filed	BIOPSY	2017-08-16	Jim Kantola Heather Storm Erin Powers Erin Schaus John Krueger

PATENT

REEL: 045704 FRAME: 0611

RECORDED: 05/03/2018